

Power Cost Memorandum Fuel Cost Update and Surcharge Change

Date: March 3, 2022

Utility Name (Cert. No.) CORDOVA ELECTRIC COOPERATIVE, INC. (160)	Utility File No. PC15-0417GGG	Date Filed: February 3, 2022
---	---	--

PCE AMOUNT SUMMARY	Previously Calculated PC15-0417FFF	Staff Recommended Amount(s) and Effective Date PC15-0417GGG
Class Rate	<u>Date Approved:</u> January 20, 2022	March 4, 2022
Residential	\$0.0808	\$0.0829
Community Facilities:		
Boat Harbor	\$0.0808	\$0.0829
General Service 0 to 500 kWh	\$0.0808	\$0.0829
General Service over 500 kWh	\$0.0763	\$0.0829
Large Power 0 to 5,000 kWh	\$0.0808	\$0.0829
Large Power 5,001 to 20,000 kWh	\$0.0640	\$0.0829
Large Power Over 20,000 kWh	\$0.0442	\$0.0829
Street Lights	\$0.0808	\$0.0829
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Fuel Purchase Price: <u>\$3.2108</u>	New Fuel Purchase Price: <u>\$3.3279</u>
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous <u>0.07860</u> Updated <u>0.17690</u>

Signed: Brenda Cox
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 3/3/22)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<u>RMP</u>		
Kurber		<u>KKI</u>		
Scott		<u>AGS</u> NGS		
Sullivan		<u>JS</u>		
Wilson		<u>JW</u>		

Special Instructions to Staff:

* If this column is initialed, Staff will contact the Commissioner for the statement. Otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

CORDOVA ELECTRIC COOPERATIVE, INC.

POWER COST EQUALIZATION CALCULATION

BASED ON TEST PERIOD ENDING DECEMBER 31, 2016

Fuel Cost Update and Surcharge Change

	PC15-0417FFF	PC15-0417GGG
	Prior Commission Approval	Utility Request Staff Recommended
A. Total kWh Generated	25,143,424	25,143,424
B. Total kWh Sold (Appendix 2)	23,444,126	23,444,126
C. Total Non-Fuel Costs (Appendix 2)	\$5,257,401	\$5,257,401
D. Non-Fuel Cost/kWh (C / B)	\$0.2243	\$0.2243
E. Total Fuel Costs (Appendix 2)	\$1,430,893	\$1,483,079
F. Fuel Costs/kWh (E / B)	\$0.0610	\$0.0633
G. Eligible Costs/kWh (D + F)	\$0.2853	\$0.2876
H. Eligible Cost/kWh (G) less base rate in effect	\$0.0850	\$0.0873
I. Lesser of (H) or 79.97 cents/kWh	\$0.0850	\$0.0873
J. Average Class Rates (Appendix 3)		
Residential	\$0.1090	\$0.2780
Community Facilities:		
Boat Harbor	\$0.1835	\$0.3525
General Service 0 to 500 kWh	\$0.1139	\$0.2829
General Service over 500 kWh	\$0.0763	\$0.2453
Large Power 0 to 5,000 kWh	\$0.0835	\$0.2525
Large Power 5,001 to 20,000 kWh	\$0.0640	\$0.2330
Large Power Over 20,000 kWh	\$0.0442	\$0.2132
Street Lights	\$0.1801	\$0.3491
Class Power Cost Equalization Per kWh Payable		
K. Lesser of: (I) x 95% or (J)		
Residential	\$0.0808	\$0.0829
Community Facilities:		
Boat Harbor	\$0.0808	\$0.0829
General Service 0 to 500 kWh	\$0.0808	\$0.0829
General Service over 500 kWh	\$0.0763	\$0.0829
Large Power 0 to 5,000 kWh	\$0.0808	\$0.0829
Large Power 5,001 to 20,000 kWh	\$0.0640	\$0.0829
Large Power Over 20,000 kWh	\$0.0442	\$0.0829
Street Lights	\$0.0808	\$0.0829
L. Funding Level in Effect	100%	100%
Residential	\$0.0808	\$0.0829
Community Facilities:		
Boat Harbor	\$0.0808	\$0.0829
General Service 0 to 500 kWh	\$0.0808	\$0.0829
General Service over 500 kWh	\$0.0763	\$0.0829
Large Power 0 to 5,000 kWh	\$0.0808	\$0.0829
Large Power 5,001 to 20,000 kWh	\$0.0640	\$0.0829
Large Power Over 20,000 kWh	\$0.0442	\$0.0829
Street Lights	\$0.0808	\$0.0829

PC15-0417GGG
Appendix 1

CORDOVA ELECTRIC COOPERATIVE, INC.

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY

BASED ON TEST PERIOD ENDING DECEMBER 31, 2016

Fuel Cost Update and Surcharge Change

		PC15-0417FFF	PC15-0417GGG	
		Prior Commission Approval	Per Utility	Per Staff
Non-Fuel Costs:				
A. Hydraulic Power Generation		734,419	734,419	734,419
B. Other Power Generation		798,864	798,864	798,864
C. Distribution Expenses		695,937	695,937	695,937
D. Consumer Expenses		305,814	305,814	305,814
E. Administrative & General		1,164,204	1,164,204	1,164,204
F. Allowable Fixed Costs		1,531,670	1,531,670	1,531,670
G. Fuel Cartage, Lube Oil & Boiler Fuel		28,024	28,024	28,024
Revenues not related to Operating Exp.				
H.1 Interest Income		0	0	0
H.2 Non-operating Income		(132,843)	(132,843)	(132,843)
Non-operating Expense		131,312	131,312	131,312
Total Non-Fuel Costs		\$5,257,401	\$5,257,401	\$5,257,401
Fuel Costs:				
I. Gallons Consumed for Electric Generation		445,650	445,650	445,650
J. Price of Fuel		3.2108	3.3279	3.3279
K. Total Cost of Fuel		\$1,483,079	\$1,483,079	\$1,483,079
L. Total Sales		23,444,126	23,444,126	23,444,126
M.1 kWh Generated Diesel		5,733,054	5,733,054	5,733,054
M.2 kWh Generated Hydro		19,410,370	19,410,370	19,410,370
M.3 Total kWh Generated		25,143,424	25,143,424	25,143,424
N. Station Service		272,540	272,540	272,540
O. Fuel Efficiency	<u>Standard</u>			
(M.1/I)	≥ 12.0	12.86	12.86	12.86
P. Line Loss	≤ 12%	5.67%	5.67%	5.67%

((kWh generated-(kWh sales+ Station Service))/kWh generated

PC15-0417GGG

Appendix 2

CORDOVA ELECTRIC COOPERATIVE, INC.

Surcharge 0.17690
Fuel Price \$3.32790

Calculation of Average Class Rate per kWh

Rate Schedule: 100 Residential

Customer Charge (CC): \$15

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+ CC	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$0.2003 kWh
500	0.2714	0.17690	0.4483	239.15	0.4783	0.2780
500				239.15	0.4783	0.2780
TOTAL (A)						(E)

Rate Schedule: Boat Harbor

Customer Charge (CC) : \$17.25

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+ CC	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$0.2003 kWh
500	0.341400	0.17690	0.5183	276.40	0.5528	0.3525
Over 500	0.308300	0.17690	0.4852	\$242.60	0.4852	0.2849
TOTAL (A)						(E)

Rate Schedule:

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$0.2003 kWh
TOTAL (A)						(E)

CORDOVA ELECTRIC COOPERATIVE, INC.

Computation of Community Facilities Average Rate

Rate Schedule: 200 General Service

Consumer Charge:

\$23.50

	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (CC/500)	(7) Avg. Rate (\$/kWh) - \$0.2003 kWh
0 to 500	0.2593	0.17690	0.4832	0.2829
501 to 9,999,999	0.2217	0.17690	0.4456	0.2453

Rate Schedule: 800 Large Power

Consumer Charge:

\$51.00

	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B) +	(7) Avg. Rate (\$/kWh) - \$0.2003 kWh
0 to 5000	0.1739	0.17690	0.4528	0.2525
5,001 to 25,000	0.1544	0.17690	0.4333	0.2330
Over 25,000	0.1346	0.17690	0.4135	0.2132

Rate Schedule: 900 Street Lights

	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B)	(7) Avg. Rate (\$/kWh) - \$0.2003 kWh
0 to ∞	0.3725	0.17690	0.5494	0.3491

Surcharge Calculation:

Fuel Price= \$3.32790

Surcharge= \$0.17690

PC15-0417GGG

Appendix 3

2 of 2

CORDOVA ELECTRIC COOPERATIVE, INC.

Fuel Purchases

ORCA:

Date	Invoice No.	Gallons	Price	Cartage	Cost	Weighted Average Cost
Balance		17,345.0	\$3.2402		\$56,201.27	\$3.2402
01/01/22	202940	6,175.0	\$3.2403		\$20,008.86	
01/03/22	203013	10,115.0	\$3.2403		\$32,775.64	
01/05/22	203067	8,279.0	\$3.2403		\$26,826.44	
01/06/22	203145	5,992.0	\$3.2403		\$19,415.88	
01/08/22	203257	8,686.0	\$3.2403		\$28,145.25	
01/10/22	203261	8,253.0	\$3.2403		\$26,742.19	
01/12/22	203425	6,050.0	\$3.4211		\$20,697.66	
1/14/22	203556	7,137.0	\$3.4211		\$24,416.39	
01/17/22	203616	7,498.0	\$3.4211		\$25,651.41	
01/19/22	203772	6,747.0	\$3.4211		\$23,082.16	
01/21/22	203904	6,301.0	\$3.4211		\$21,556.35	
01/22/22	204006	3,495.0	\$3.4211		\$11,956.74	
01/24/22	204044	4,713.0	\$3.4211		\$16,123.64	
01/26/22	204107	5,780.0	\$3.4211		\$19,773.96	
01/24/22	204288	6,005.0	\$3.4211		\$20,543.71	
01/31/22	204392	7,263.0	\$3.4211		\$24,847.45	

300kW

125,834.00

\$418,765.00

\$3.3279

Starting Bal-300 kW

0

\$0.0000

\$0.00

SubTotal

0

\$0.00

\$0.0000

Avg Cost of Fuel Avail

125,834

\$418,765.00

Total Weighted Average

\$3.3279

Surcharge Calculation:

Fuel Price= \$3.3279

Surcharge= \$0.17690

Signature: 

Email: bob.pickett@alaska.gov

Signature: 
Keith Kurber II (Mar 3, 2022 09:18 AKST)

Email: keith.kurber@alaska.gov

Signature: 

Email: antony.scott@alaska.gov

Signature: 
Daniel Sullivan (Mar 3, 2022 14:45 AKST)

Email: daniel.sullivan@alaska.gov

Signature: 
Janis W. Wilson (Mar 3, 2022 18:31 AKST)

Email: janis.wilson@alaska.gov

PC15-0417GGG
Schedule BKC-1